



(19)

(11) Publication number: **2001011344 A**

Generated Document.

**PATENT ABSTRACTS OF JAPAN**(21) Application number: **11221571**(51) Intl. Cl.: **C09D 7/12 B05D 7/24 C09D 4/02**(22) Application date: **30.06.99**

(30) Priority:

(43) Date of application  
publication: **16.01.01**(84) Designated contracting  
states:(71) Applicant: **NEC CORP**(72) Inventor: **NIHEI FUMIYUKI**

(74) Representative:

**(54) COATING AND FILM  
FORMED USING THE SAME  
AND THEIR PRODUCTION**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain a coating which can uniformly form a mono-layered nanotube-containing substance layer on a large area surface or a non-flat surface and whose cost can be lowered, by dispersing mono-layered nanotube in a solution containing an organic polymer material.

**SOLUTION:** This coating is obtained by dispersing (B) mono-layered nanotube (preferably mono-layered carbon nanotube) in (A) a solution containing an organic polymer material (preferably polymethyl methacrylate). The solution contains the component A in an amount of 1 to 50 v/v% based on the solvent and the component B in an amount of 0.1 to 10 w/w%. The coating is preferably provided with a process for dispersing the component B in a solution containing the component A with ultrasonic waves, for example, under an ultrasonic wave treatment condition

in an output power of 200 W for about  
2 hr.

COPYRIGHT: (C)2001,JPO